A method, system and computer-readable medium for analyzing interaction or usage data, such as for customers, is described. The interaction or usage data may be stored in log files and supplemented with data from other sources. Various data parsing information may be defined and used as part of the analysis, such as by using customer-specific information to identify various occurrences of interest. For example, when analyzing a customer's web site interaction data, the parser component can use data defining customer-specific categories of web pages. Such high-level types of occurrences can be specified in a variety of ways, such as by using a combination of a logical web site, one or more URIs corresponding to web pages, and/or one or more query strings. The data parsing information may also specify a mapping of actual web sites to one or more logical sites.